DETAILED ACTION

Response to Amendments

Applicant's amendments/arguments, see remarks and amendments to claims, filed 9/2/2009, with respect to the pending claims have been fully considered and are persuasive. The rejection of all pending claims has been withdrawn, thus this application is in condition for allowance.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Jeffrey Anderson on 12/2/2009.

Please amend the application as follows:

Claim 1 should be amended to the claim language as shown below.

These amended claims will **replace** claim 1 as filed on 9/2/2009:

In claim 1, the amendment filed on 9/2/2009 **has been changed to** -- A distributed architecture of an information handling system, comprising:

a buried nucleus inaccessible for inspection ~~without heroic means~~ while said buried nucleus is in operation, said buried nucleus including at least one matrix multiplier; and

a trusted authority, said trusted authority being in a vault and being configured for being operated according to at least one of: encryption measures and security measures, said trusted

authority configured for generating a secure protocol, said secure protocol controlling operation of said buried nucleus,

wherein authorization information is securely conveyed into the buried nucleus via the secure protocol, thereby causing the buried nucleus to operate an return a result, the result utilizable for activating an authorized operation, the authorization information being processed by the buried nucleus when the buried nucleus is in operation, thereby making said authorization information and information relating to processing of said authorization information inaccessible for inspection ~~without heroic means~~ once said authorization information is conveyed to the buried nucleus, wherein all operations carried out by resource sets operating in an interior of the buried nucleus are inaccessible for inspection ~~without heroic means~~, said operations including deciphering of a key provided to the buried nucleus via the secure protocol, wherein operation of the buried nucleus is automatically suspended upon detection of an intrusion, rebuilding of a secure environment within the buried nucleus occurs after said detected intrusion, and resetting of a clock of the architecture to zero occurs when replication by an attacker of said rebuilding occurs.--

Claim 10 should be amended to the claim language as shown below.

These amended claims will **replace** claim 10 as filed on 9/2/2009:

In claim 10, the amendment filed on 9/2/2009 **has been changed to** --A distributed architecture of an information handling system, comprising:

(a) a sub-system ~~hardware/software system~~, comprising:

a microchip including an outer region having I/O pins and a buried nucleus inaccessible for inspection ~~without heroic means~~ when said buried nucleus is in operation, said buried nucleus including at least one matrix multiplier; and

external software connected to said I/O pins for controlling said I/O pins;

(b) a trusted authority, said trusted authority being in a vault and being configured for being operated according to at least one of: encryption measures and security measures, said trusted authority configured for generating a secure protocol, said secure protocol controlling operation of said sub-system ~~hardware/software system~~,

(c) wherein said buried nucleus is configured for accepting and deciphering an encrypted key delivered though said secure protocol,

(d) wherein said encrypted key is securely conveyed into the buried nucleus via the secure protocol, thereby causing the buried nucleus to operate and return a result, the result utilizable for activating an authorized operation, the encrypted key being deciphered within the buried nucleus when the buried nucleus is in operation, thereby making the deciphering operation inaccessible for inspection ~~without heroic means~~, said operations including deciphering of a key provided to the buried nucleus via the secure protocol, wherein operation of the buried nucleus is automatically suspended upon detection of an intrusion, rebuilding of a secure environment within the buried nucleus occurs after said detected intrusion, and resetting of a clock of the architecture to zero occurs when replication by an attacker of said rebuilding occurs.--.

CANCEL claims **23-31.**

Allowable Subject Matter

Claims 1-5, 7-14, & 16-22 are allowed.

The following is an examiner's statement of reasons for allowance: The above mentioned claims are allowable over the prior arts because the CPA (Cited Prior Arts) of record taken singly or in combination fail to anticipate or render obvious the specific added limitations, as recited in independent claims 1 & 10 and subsequent dependent claims.

The CPA does not teach or suggest generating a secure protocol to control operation of a buried nucleus, the buried nucleus and the authorization information being inaccessible for inspection while in operation, where the buried nucleus is automatically suspended upon detection of an intrusion, and wherein rebuilding of a secure environment within the buried nucleus occurs after said detected intrusion, and resetting of a clock of the architecture to zero occurs when replication by an attacker of said rebuilding occurs (in combination with the environment claimed and the rest of the claimed limitations).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nadia Khoshnoodi whose telephone number is (571) 272-3825. The examiner can normally be reached on M-F: 8:00-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

/Nadia Khoshnoodi/
Examiner, Art Unit 2437
12/2/2009

NK

/Emmanuel L. Moise/
Supervisory Patent Examiner, Art Unit 2437